(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization

International Bureau



## 

(43) International Publication Date 27 May 2004 (27.05.2004)

PCT

(10) International Publication Number WO 2004/043439 A1

(51) International Patent Classification7:

A61K 9/20

(21) International Application Number:

PCT/US2003/034934

(22) International Filing Date:

3 November 2003 (03.11.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0226076.8

8 November 2002 (08.11.2002)

(71) Applicant (for all designated States except US): R.P. SCHERER TECHNOLOGIES, INC. [US/US]; 7690 Cheyenne Avenue, Suite 100, Las Vegas, NV 89129 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BANBURY, Susan [GB/GB]; 1 Birch Close, Charlton Kings, Chettenham, Gloucestershire GL53 8PJ (GB). JUUJARVI, Paivi [FI/FI]; Ansakatu 10B8, FIN-20660 Littoinen (FI). GROTHER, Leon, P. [GB/GB]; 6 Boleyn Close, Grange Park, Swindon, Wiltshire SN6 6JZ (GB). LUNSMANN, Walter [US/US]; 50 Van Lieus Road, Ringoes Lake, NJ 08851 (US). MURRAY, Owen [GB/US]; 1908 Holland Drive, Franklin Township, Somerset Country, NJ 08873 (US). SAVOLA, Juha-Matti [FI/FI]; Siutlankatu 8, FIN-20380 Turku (FI).

(74) Agents: NICKEY, Donald, O. et al.; Cardinal Health, Inc., 7000 Cardinal Place, Dublin, OH 43017 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

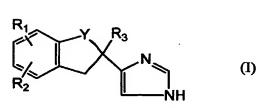
## Published:

with international search report

before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: IMPROVED FORMULATIONS CONTAINING SUBSTITUTED IMIDAZOLE DERIVATIVES



(57) Abstract: Improved formulations containing substituted imidazole derivatives of the general formula 1, formula (I) wherein Y is -CH2- or -CO-, R1 is H, halo or hydroxy, R2 is H or halo, and R<sub>3</sub> is H or lower alkyl (e.g. C<sub>1</sub> to C<sub>4</sub> alkyl, preferably C<sub>1</sub> or C<sub>2</sub> alkyl), or a pharmaceutically acceptable salt, such as an acid addition salt, e.g. the hydrochloride, of a compound of the general formula (I), are in solid fast-dispersing dosage form suitable for pre-gastric absorption.